WHAT IS CLAIMED IS:

1   1.   A system for automatically populating medical device data into one or
2   more databases, comprising:

3   a system controller including a processor and a computer readable medium,
4   wherein the computer readable medium includes instructions executable by the processor to:

5   receive a data set comprising objective data collected by a physician,
6   the objective data comprising objective data about a first patient;

7   receive a data set comprising subjective data collected by a physician,
8   the subjective data comprising subjective data about the first patient;

9   automatically validate the objective data and the subjective data, and if
10   valid, populate the objective data and the subjective data into a first database having
11   one or more database records associated with the first patient;

12   receive a first data set from an implantable medical device that is
13   associated with the first patient, the first data set having a first date and time stamp
14   associated with it;

15   receive a second data set from an implantable medical device that is
16   associated with the first patient, the second data set having a second date and time
17   stamp associated with it;

18   populate the first data set into the one or more database records
19   associated with the first patient, wherein the first date and time stamp is configured to
20   act as a first database record locator associated with the first patient; and

21   populate the second data set into the one or more database records
22   associated with the first patient, wherein the second date and time stamp is configured
23   to act as a second database record locator associated with the first patient.

1   2.   The system as recited in claim 1, wherein the computer readable
2   medium further comprises instructions executable by the processor to:

3   receive objective data, subjective data and implantable medical device data
4   associated with additional patients; and

5   populate the objective data, subjective data and implantable medical device
6   data into one or more database records of the first database associated with each of the
7   additional patients.

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1   3.   The system as recited in claim 2, wherein the computer readable

2   medium further comprises instructions executable by the processor to:

3   provide third party access to at least a portion of the first database.

1   4.   The system as recited in claim 2, wherein the computer readable

2   medium further comprises instructions executable by the processor to:

3   populate a second database with at least a portion of the data from the first

4   database; and

5   provide third party access to at least a portion of the second database.

1   5.   The system as recited in claim 2, wherein the computer readable

2   medium further comprises instructions executable by the processor to:

3   populate a second database with at least a portion of the data from the first

4   database; and

5   transmit the second database to one or more third party systems for access.

1   6.   The system as recited in claim 1, wherein the first data set and the

2   second data set from the implantable medical device is in a first format, and wherein the

3   computer readable medium further comprises instructions executable by the processor to:

4   convert the first data set and the second data set implantable medical device

5   from the first format to a second format; and

6   automatically populate the first database with data from the second format.

1   7.   The system as recited in claim 6, wherein the first format comprises a

2   binary data, and the second format comprises an extensible mark-up language (XML) format.

1   8.   The system as recited in claim 1, wherein the computer readable

2   medium further comprises instructions executable by the processor to:

3   validate the first set and the second set of implantable data prior to populating

4   it into the first database.

1   9.   A medical information system, comprising:

2   means for receiving objective data and subjective data collected by a physician

3   about a first patient;

4   means for populating the objective data and the subjective data into a first

5 database having one or more database records associated with the first patient;

6   means for receiving a first data set and a second data set from an implantable

7 medical device that is associated with the first patient, the first data set having a first date and

8 time stamp associated with it, and the second data set having a second date and time stamp

9 associated with it;

10   means for populating the first data set into the one or more database records

11 associated with the first patient, wherein the first date and time stamp is configured to act as a

12 first database record locator associated with the first patient; and

13   means for populating the second data set into the one or more database records

14 associated with the first patient, wherein the second date and time stamp is configured to act

15 as a second database record locator associated with the first patient.

1   10.   The system as recited in claim 9, wherein the computer readable

2 medium further comprises instructions executable by the processor to:

3   receive objective data, subjective data and implantable medical device data

4 associated with additional patients; and

5   populate the objective data, subjective data and implantable medical device

6 data into one or more database records of the first database associated with each of the

7 additional patients.

1   11.   The system as recited in claim 10, further comprising:

2   means for providing third party access to at least a portion of the first

3 database.

1   12.   The system as recited in claim 10, further comprising:

2   means for populating a second database with at least a portion of the data from

3 the first database; and

4   means for providing third party access to at least a portion of the second

5 database.

1   13.   The system as recited in claim 10, further comprising:

2   means for populating a second database with at least a portion of the data from

3 the first database; and

4   means for transmitting the second database to one or more third party systems

5   for access.

1   14.   The system as recited in claim 9, wherein the first data set and the

2   second data set from the implantable medical device is in a first format, and wherein the

3   system further comprises:

4   means for converting the first data set and the second data set implantable

5   medical device from the first format to a second format; and

6   means for automatically populating the first database with data from the

7   second format.

1   15.   The system as recited in claim 14, wherein the first format comprises a

2   binary data, and the second format comprises an extensible mark-up language (XML) format.

1   16.   The system as recited in claim 9, further comprising:

2   means for validating the objective data and the subjective data prior to

3   populating it into the first database.

1   17.   The system as recited in claim 9, further comprising:

2   means for validating the first set and the second set of implantable data prior

3   to populating it into the first database.

1   18.   A system for automatically populating medical data into a database,

2   comprising:

3   a microprocessor based controller;

4   a computer readable medium, wherein the computer readable medium includes

5   instructions executable by the microprocessor based controller to:

6   receive a first data set from an implantable medical device that is

7   associated with a first patient, the first data set having a first date and time stamp

8   associated with it;

9   receive a second data set from an implantable medical device that is

10   associated with the first patient, the second data set having a second date and time

11   stamp associated with it;

12   automatically populate the first data set into a first database having one

13   or more database records associated with the first patient, wherein the first date and

14 time stamp is configured to act as a first database record locator associated with the

15 first patient; and

16 automatically populate the second data set into the first database

17 having one or more database records associated with the first patient, wherein the

18 second date and time stamp is configured to act as a second database record locator

19 associated with the first patient.

1 19. The system as recited in claim 18, wherein the computer readable

2 medium further comprises instructions executable by the microprocessor based controller to:

3 receive objective data and subjective data collected by a physician about the

4 first patient; and

5 automatically populate the objective data and the subjective data into the first

6 database having one or more database records associated with the first patient.

1 20. The system as recited in claim 19, wherein the computer readable

2 medium further comprises instructions executable by the microprocessor based controller to:

3 validate the objective data and the subjective data prior to automatically

4 populating it into the first database.

1 21. The system as recited in claim 19, wherein the computer readable

2 medium further comprises instructions executable by the microprocessor based controller to:

3 receive objective data, subjective data and implantable medical device data

4 associated with additional patients; and

5 populate the objective data, subjective data and implantable medical device

6 data into one or more database records of the first database associated with each of the

7 additional patients.

1 22. The system as recited in claim 21, wherein the computer readable

2 medium further comprises instructions executable by the microprocessor based controller to:

3 provide third party access to at least a portion of the first database.

1 23. The system as recited in claim 21, wherein the computer readable

2 medium further comprises instructions executable by the microprocessor based controller to:

3 populate a second database with at least a portion of the data from the first

4 database; and

5   provide third party access to at least a portion of the second database.

1   24.   The system as recited in claim 21, wherein the computer readable

2   medium further comprises instructions executable by the microprocessor based controller to:

3   populate a second database with at least a portion of the data from the first

4   database; and

5   transmit the second database to one or more third party systems for access.

1   25.   The system as recited in claim 18, wherein the first data set and the

2   second data set from the implantable medical device is in a first format, and wherein the

3   computer readable medium further comprises instructions executable by the microprocessor

4   based controller to:

5   convert the first data set and the second data set implantable medical device

6   from the first format to a second format; and

7   automatically populate the first database with data from the second format.

1   26.   The system as recited in claim 25, wherein the first format comprises a

2   binary data, and the second format comprises an extensible mark-up language (XML) format.

1   27.   The system as recited in claim 18, wherein the computer readable

2   medium further comprises instructions executable by the microprocessor based controller to:

3   validate the first set and the second set of implantable data prior to populating

4   it into the first database.

1   28.   A method for automatically populating medical data into a database,

2   the method comprising:

3   receiving a first data set from an implantable medical device that is associated

4   with a first patient, the first data set having a first date and time stamp associated with it;

5   receiving a second data set from an implantable medical device that is

6   associated with the first patient, the second data set having a second date and time stamp

7   associated with it;

8   automatically populating the first data set into a first database having one or

9   more database records associated with the first patient, wherein the first date and time stamp

10   is configured to act as a first database record locator associated with the first patient; and

11   automatically populating the second data set into the first database having one

12   or more database records associated with the first patient, wherein the second date and time

13   stamp is configured to act as a second database record locator associated with the first patient.

1   29.   The method as recited in claim 28, further comprising:

2   receiving objective data and subjective data collected by a physician about the

3   first patient; and

4   automatically populating the objective data and the subjective data into the

5   first database having one or more database records associated with the first patient.

1   30.   The method as recited in claim 29, further comprising:

2   validating the objective data and the subjective data prior to automatically

3   populating it into the first database.

1   31.   The method as recited in claim 29, further comprising:

2   receiving objective data, subjective data and implantable medical device data

3   associated with additional patients; and

4   populating the objective data, subjective data and implantable medical device

5   data into one or more database records of the first database associated with each of the

6   additional patients.

1   32.   The method as recited in claim 31, further comprising:

2   providing third party access to at least a portion of the first database.

1   33.   The method as recited in claim 31, further comprising:

2   populating a second database with at least a portion of the data from the first

3   database; and

4   providing third party access to at least a portion of the second database.

1   34.   The method as recited in claim 31, further comprising:

2   populating a second database with at least a portion of the data from the first

3   database; and

4   transmitting the second database to one or more third party systems for access.

1   35.   The method as recited in claim 28, wherein the first data set and the

2   second data set from the implantable medical device is in a first format, and wherein the

3   method further comprises:

4   converting the first data set and the second data set implantable medical device

5   from the first format to a second format; and

6   automatically populating the first database with data from the second format.

1   36.   The method as recited in claim 35, wherein the first format comprises a

2   binary data, and the second format comprises an extensible mark-up language (XML) format.

1   37.   The method as recited in claim 28, further comprising:

2   validating the first set and the second set of implantable data prior to

3   populating it into the first database.